AMENDMENTS TO THE CLAIMS

Claims 1-52 (Cancelled)

53.   (New) A data transmission method for sequentially transmitting data in packet units each containing transmission data from a transmitting end to a receiving end, said data transmission method comprising:

transmitting an uncompressed packet in which predetermined transmission data is stored as uncompressed data;

subsequently continuously transmitting compressed packets in which at least a portion of transmission data following the predetermined transmission data is compressed and stored as compressed data; and

forming compressed data that is to be stored in any packet other than the uncompressed packet, based on an update information relating to a packet which has been transmitted prior to the packet to be compressed and transmission data of the packet to be compressed.

54.   (New) The data transmission method of Claim 53, wherein the update information is in a header portion of a packet unit.

55.   (New) The data transmission.method of Claim 53, further comprising:

setting information relating to the uncompressed packet as an initial value of the update information; and

updating the update information to information relating to a specific compressed packet every time the specific compressed packet is formed,

wherein the specific compressed packet has the update information.

56.   (New) The data transmission method of Claim 53, wherein said subsequently continuously transmitting compressed packets comprises transmitting the specific compressed packet to the receiving end at a predetermined interval.

57.   (New) The data transmission method of Claim 53, wherein said subsequently continuously transmitting compressed packets comprises transmitting the specific compressed packet to the receiving end every time a predetermined number of compressed packets have been transmitted.

58.   (New) A data reception method for receiving data in packet units each containing transmission data from a transmitting end at a receiving end, said data receiving method comprising:

receiving an uncompressed packet in which predetermined transmission data is stored as uncompressed data;

subsequently continuously receiving compressed packets in which at least a portion of transmission data following the predetermined transmission data is compressed and stored as compressed data; and

restoring transmission data of a compressed packet to be restored, based on an update information relating to a packet which has been received prior to the compressed packet to be restored and compressed data included in the compressed packet to be restored.

59.   (New) The data reception method of Claim 58, wherein the update information is in a header portion of a packet unit.

60.   (New) The data reception method of Claim 58, further comprising:

setting information relating to the uncompressed packet as an initial value of the update information; and

subsequently updating the update information to information relating to a specific compressed packet every time transmission data of the specific compressed packet is restored,

wherein the specific compressed packet has the update information.

61.   (New)   The data reception method of Claim 58, wherein said subsequently receiving compressed packets comprises receiving the specific compressed packet at a predetermined interval.

62.   (New)   The data reception method of Claim 58, wherein said subsequently receiving a compressed packet comprises receiving the specific compressed packet every time a predetermined number of compressed packets have been received.

63.   (New)   A data transmission apparatus for sequentially transmitting data in packet units each containing transmission data from a transmitting end to a receiving end, said apparatus comprising:

a transmission unit operable to transmit an uncompressed packet in which predetermined transmission data is stored as uncompressed data, and then to continuously transmit compressed packets in which at least a portion of transmission data following the predetermined transmission data is compressed and stored as compressed data; and

a formation unit operable to form compressed data that is to be stored in any packet other than uncompressed packet, based on an update information relating to a packet which has been transmitted prior to the packet to be compressed and transmission data of the packet to be compressed.

64.   (New)   The data transmission apparatus of Claim 63, wherein the update information is in a header portion of a packet unit.

65.   (New) The data transmission apparatus of Claim 63, further comprising a unit operable to:

set information relating to the uncompressed packet as an initial value of the update information; and

subsequently update the update information to information relating to a specific compressed packet every time the specific compressed packet is formed,

wherein the specific compressed packet has the update information.

66.   (New) The data transmission apparatus of Claim 63, wherein said transmission unit is further operable to transmit the specific compressed packet to the receiving end at a predetermined interval.

67.   (New) The data transmission apparatus of Claim 63, wherein said transmission unit is further operable to transmit the specific compressed packet to the receiving end every time a predetermined number of compressed packets have been transmitted.

68.   (New) A data reception apparatus for receiving data transmitted in packet units from a transmitting end, said apparatus comprising:

a reception unit operable to receive an uncompressed packet in which predetermined transmission data is stored as uncompressed data, and then to continuously receive compressed packets in which at least a portion of transmission data following the predetermined transmission data is compressed and stored as compressed data; and

a restoration unit operable restore transmission data of a compressed packet to be restored, based on an update information relating to a packet which has been received prior to the compressed packet to be restored and compressed data included in the compressed packet to be restored.

69. (New) The data reception apparatus of Claim 68, wherein the update information is in a header portion of a packet unit.

70. (New) The data reception apparatus of Claim 68, further comprising a unit operable to:

set information relating to the uncompressed packet as an initial value of the update information; and

subsequently update the update information to information relating to a specific compressed packet every time transmission data of the specific compressed packet is restored,

wherein the specific compressed packet has the update information.

71. (New) The data reception apparatus of Claim 68, wherein said reception unit is operable to receive the specific compressed packet at a predetermined interval.

72. (New) The data reception apparatus of Claim 68, wherein said reception unit is operable to receive the specific compressed packet every time a predetermined number of compressed packets have been transmitted.